

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-2 (Canceled).

Claim 3 (Currently Amended): A radio communication terminal comprising:  
a receiver connected to a receiving antenna; and  
an interference canceller for canceling a radiated noise component of electronic  
equipment from a received signal output from said receiver;  
wherein said interference canceller includes:  
a band converting part connected to electronic equipment, for converting said radiated  
noise from said electronic equipment to the same band as that of the output received signal of  
said receiver;  
a radiated noise predictor for generating a pseudo interference signal base on the  
converted output of said band converting part; and  
an adder for adding together said received signal and said pseudo interference signal  
to cancel said radiated noise component in said received signal; and  
~~The radio communication terminal of claim 1, wherein said radiated noise predictor~~  
includes: an amplifier connected to the output of said band converting part ~~said electronic~~  
~~equipment~~, for controlling the level of the radiated noise obtained therefrom; a phase shifter  
connected in series to said amplifier, for controlling the phase of said radiated noise; and a  
control part for controlling the gain of said amplifier and the phase-shift amount of said phase  
shifter based on the output from said adder.

Claim 4 (Canceled).

Claim 5 (Currently Amended): A radio communication terminal comprising:

a receiver connected to a receiving antenna;

an interference canceller for canceling a radiated noise component of electronic

equipment from a received signal output from said receiver; and

~~The radio communication terminal of claim 1, which further comprises a memory for~~

storing a radiated noise component received by said receiver during a transmission

interruption period of a transmitting side; [[, and]]

wherein said interference canceller includes:

a radiated noise predictor for generating a pseudo interference signal base on the

radiated noise produced by said electronic equipment; and

an adder for adding together said received signal and said pseudo interference signal

to cancel said radiated noise component in said received signal; and

wherein said radiated noise predictor includes an adaptive filter for generating said pseudo interference signal by adaptively filtering the radiated noise component read out from said memory during the transmission interruption period or transmission period of the transmitting side; and a control part for controlling coefficients of said adaptive filter based on the output from said adder.

Claim 6 (Currently Amended): A radio communication terminal comprising:

a receiver connected to a receiving antenna;

an interference canceller for canceling a radiated noise component of electronic

equipment from a received signal output from said receiver; and

~~The radio communication terminal of claim 1, which further comprises a training~~

signal generating part for generating a training signal; [[, and]]

wherein said interference canceller includes:

a radiated noise predictor for generating a pseudo interference signal base on the radiated noise produced by said electronic equipment;

an adder for adding together said received signal and said pseudo interference signal to cancel said radiated noise component in said received signal; and

wherein said radiated noise predictor includes: a selector for selecting the training signal from said training signal generating part during a period of transmission of a training signal from the transmitting side and for selecting the output from said adder during a period of receiving an information signal from the transmitting side ; a subtractor for subtracting the selected output of said selector from the output of said receiver; an adaptive filter for generating said pseudo interference signal by adaptively filtering the output from said subtractor by filter coefficients; and a control part for controlling the coefficients of said adaptive filter based on the output from said adder.

Claim 7 (Currently Amended): A radio communication terminal comprising:

a receiver connected to a receiving antenna;

an interference canceller for canceling a radiated noise component of electronic equipment from a received signal output from said receiver;

~~The radio communication terminal of claim 1, which further comprises a second receiver connected to a second antenna; [[, and]]~~

wherein said interference canceller includes:

a radiated noise predictor for generating a pseudo interference signal base on the radiated noise produced by said electronic equipment;

an adder for adding together said received signal and said pseudo interference signal to cancel said radiated noise component in said received signal; and

wherein said radiated noise predictor includes: an amplitude/phase adjustor for adjusting the amplitude and phase of a received signal from said second receiver to generate said pseudo interference signal; and a control part for controlling the amplitude and phase adjustments by said amplitude/phase adjustor based on the output from said adder during the transmission interruption period of the transmitting side so that said pseudo interference signal and the output from said first receiver cancel each other during the transmission interruption period of the transmitting side.

Claim 8 (Currently Amended): A radio communication terminal comprising:  
~~The radio communication terminal of claim 1, which further comprises~~ a plurality of receivers each connected to one of a plurality of antennas; ~~and a diversity receiver,~~  
an interference canceller for canceling a radiated noise components of electronic equipment from received signals output from said plurality of receivers; and  
a diversity receiver;  
and wherein: said interference canceller includes:  
a plurality of adders for adding together said received signal and said pseudo interference signal to cancel said radiated noise component in said received signal;  
a radiated noise predictor for generating a plurality of pseudo interference signals base on the radiated noise produced by said electronic equipment;  
a plurality of adders each for adding corresponding one of said plurality of pseudo interference signals to an output of corresponding [[to]] one of said plurality of receivers to cancel said radiated noise component in each received signal; and  
wherein said radiated noise predictor includes a plurality of amplitude/phase adjustors for adjusting amplitudes and phases of radiated noises from electronic equipment to generate pseudo interference signals in correspondence with said plurality of receivers, and a control

part for controlling the amplitude and phase adjustments by said plurality of amplitude/phase adjustors based on the outputs from said plurality of adders, the outputs from said plurality of adders being diversity-received by said diversity receiver.

**Claim 9 (Currently Amended):** The radio communication terminal of claim [[3 or]] 8, wherein said interference canceller includes a band converting part which converts said radiated noise from electronic equipment to the same band as that of the output received signal of said receiver and provides the converted output to said radiated noise predictor.

**Claim 10 (Currently Amended):** A radio communication terminal comprising:  
a receiver connected to a receiving antenna;  
an interference canceller for canceling a radiated noise component of electronic equipment from a received signal output from said receiver; and

~~The radio communication terminal of claim 1, which further comprises a second receiver connected to a second receiving antenna; [[,]]~~

wherein said interference canceller includes:  
a radiated noise predictor for generating a pseudo interference signal base on the radiated noise produced by said electronic equipment; and  
an adder for adding together said received signal and said pseudo interference signal to cancel said radiated noise component in said received signal; and

wherein said radiated noise predictor includes: first and second multipliers for multiplying received signals from said first and second receivers by first and second tap coefficients, respectively, and for providing the multiplied outputs to said adder; and a control part for controlling said first and second tap coefficients based on the output from

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said adder so that radio noise components in the outputs from said first and second multipliers cancel each other.